

Nebraska GIS Steering Committee

Meeting Minutes - 9/27/95
(as amended on 11/15/95)

Present were (* authorized to vote):

* Rod Armstrong	Governor's Policy Research Office
Mahendra Bansal	Natural Resource Commission
* Jim Brown	State Surveyor's Office
* Blaine Dinwiddie	Omaha Public Power District
Terry Kubicek	Natural Resources Commission
* Jim Langtry	Lancaster County Engineer's Office
* John Miyoshi	Lower Platte NRD
* Duane Stott	Scotts Bluff County Surveyor
* Cliff Welsh	Keith County Commissioner
* Dayle Williamson	Natural Resources Commission
Paul Yamamoto	Department of Environmental Quality
Larry K. Zink	Coordinator, GIS Steering Cmte.

NOTICE OF MEETING. A public notice of the meeting pursuant to Section 84-1411 R.R.S. 1943, was published in the Omaha World Herald on Sept. 20, 1995.

ROLL CALL. Chair Rod Armstrong called the meeting to order at approximately 1:30 pm and requested that Larry Z. call the roll. Eight duly authorized representatives were present and therefore a quorum was present to conduct business.

MINUTES. Dayle W. moved, John M. seconded, that the minutes of the July 17, 1995 Str. Cmte. meeting be approved as circulated. The motion carried unanimously (*see vote # 1 on the attached Voting Record sheet*).

UPDATE ON CADASTRE/PLSS TASK FORCE. Jim B. and Larry Z. gave an update on the efforts by the Task Force. They noted that the Task Force has endorsed a proposal developed by a PLSS Standards Working Group that the State Surveyor's Office should take the initiative to develop a database which provides identifier numbers for all of the original government corners in the State of Nebraska. It was noted that there is a finite number of such original government corners and it is highly unlikely that additional ones will be developed. This approach would provide a standard reference number that all parties could easily access and use. As currently conceived by the Task Force, this database would include the following:

Original Government Corners ID Database - for ID reference only

- Compound Corner ID (based on BLM + system)
- Coordinate Value (one value only, best available, purpose to identify point only) (State Plane, US Survey foot)
- Quality Index (based on method or process used to derive coordinate value)
- Narrative Label or Name of Corner (free text)

Jim B. and Larry Z. noted that the maintenance of such a system could probably be easily rolled into the current State Survey Record Repository, with minor modifications. Current State Surveyor plans would allow for future online access to this database. They also noted that the efforts to define standards for property parcels was proving to be much more complicated. The Standards Working Group has committed itself to bi-weekly meetings for the next couple months in an effort to work

through many of the questions related to property parcel standards. Jim B. also shared with the Str. Cmte., the intention of another working group to develop for the Task Force's consideration interim legislative proposals related to the development and maintenance of digital PLSS data.

UPDATE ON PLANS FOR THE DEVELOPMENT OF DIGITAL COUNTY SOIL SURVEYS.

Dayle W. reported that NRC has completed its pilot project production of DEMs and DOQQs for Lancaster County. Dayle noted that tapes of the final product were sent off to USGS in Menlo Park on 9/26/95 for final review. In response to a question, Dayle indicated that NRC hopes to have an evaluation response back for USGS within two weeks.

Dayle indicated that NRC was now planning to move forward with DOQQ production for 36-37 counties. Dayle indicated that these 36-37 counties had been identified by NRC, CSD, and NRCS as priorities for the development of digital soil surveys. Dayle reported that NRC calculated that the production of the DEMs and DOQQs for these 36-37 counties would take 1629 person days.

Dayle was asked about the status of efforts to develop a consensus long-range plan for developing digital, vector soil survey data for Nebraska. Dayle noted that the three agencies (NRC, CSD, and NRCS) had been meeting, but there was not yet agreement on such a plan. Dayle indicated that a major problem was how the soil survey lines would get recompiled onto the stable, ortho quad base to meet SSURGO standards. Dayle indicated that it was estimated that this would take about 1588 person days to recompile these soil lines for the 36-37 counties identified as priorities. Dayle also noted that Norm Helzer, NRCS, used the figure of 200 person days/employee year to calculate the staffing required for recompilation (*this calculates out to approximately 8 employee/years to recompile this initial set of 36-37 counties*). Dayle was asked if the 1588 person day estimate for recompilation was a consensus figure and he indicated that it was NRC's estimate.

Dayle reported that NRC has held up signing its state funding pass-through contract with CSD for soils work because of NRC's desire to focus more of those resources in the area of recompilation onto the stable ortho base maps for future SSURGO quality digitizing. Dayle reported that CSD and NRCS had already entered into what he categorized as "third generation" soil survey update contracts with a number of local government entities. Dayle indicated that NRCS and CSD felt that these existing local government contracts had already obligated a significant portion of their available soil scientist resources for the next few years.

Dayle also reported that several NRC staff had traveled to Lyndon, KS, to see what is being called the USDA "Field Office of the Future". Dayle noted that operation illustrated what is possible if the branches of USDA, and state and local government entities cooperate within a GIS environment.

Larry Z. inquired as to when the Str. Cmte. could expect to receive a written report on the Lancaster County DOQQ pilot project, which would outline in more detail the methodology, the costs, the results of USGS's quality assessment of the products, and the implications for future in-house versus outside contractual production of DOQQs. Terry K. responded that it was not realistic to consider outside contractual procurement of DOQQs because no agency had the \$2 + million dollars available to enter into such a contract with USGS. Larry Z. acknowledged that it would be difficult to come up with those funds. However, he also noted that when the Str. Cmte. was first made aware of the pilot project in April of 1995 that it took no action on pilot project at that time, based on the understanding that NRC would provide a written report on the feasibility, costs, and implications of for future DOQQs development. Rod A. indicated that he also felt it was important for the Str. Cmte. to receive documentation of the results and implications of the pilot project. Dayle W. and Terry K. indicated that NRC would prepare a written report for the Str. Cmte. on the Lancaster DOQQ pilot project.

Larry Z. inquired of the Str. Cmte. what type of process it would envision to evaluate the merits of NRC's proposed DOQQ production project relative to other objectives and data development needs. Larry Z. also asked if the Str. Cmte. shouldn't consider soliciting input from other agencies and entities relative to their data needs and projects that should be considered in determining the relative priority of a proposed DOQQ production sequence. Larry Z. noted the Str. Cmte.'s expressed policy of reviewing pending GIS or digital geo-spatial data initiatives, and providing the initiators with prompt and clear feedback relative to how other GIS or geo-spatial data needs might be integrated with the pending initiative or how the initiative might impact other goals or objectives. (*see addendum #1, "GIS Initiative and/or Project Review and Action" attached to minutes*)

Terry K. expressed his objections and concerns about this proposed intervention of the Str. Cmte. in the process of evaluating and prioritizing of DOQQ production efforts. Terry K. suggested that the project was on a very tight time frame or "critical path" and that what Larry Z. was proposing would significantly disrupt that schedule. Terry K. stated that DOQQ development was being driven by SSURGO soil survey development needs. Terry K. also stated that NRC had kept the Str. Cmte. informed of its interests and plans for DOQQ development and that this was late in the game to be raising these concerns.

Larry Z. stated his specific exception to Terry K.'s statement that NRC had kept the Str. Cmte. informed of its plans for DOQQ development. Larry Z. noted that concern had been expressed by Str. Cmte. members in April 1995, when the Str. Cmte. learned, after the fact, that NRC had signed an agreement with USGS for the Lancaster County DOQQ pilot project. The Str. Cmte. took no action at that time despite a recommendation from the GIS Review Subcmte. (*see addendum #1, Recommendation from GIS Review Subcmte." attached to minutes*), based on the understanding that the pilot project was a feasibility study and that the Str. Cmte. would receive a written report for consideration of the implications of the pilot project. Larry Z. also noted that he felt the Str. Cmte. would not be following its mandate from, nor its written commitment to, the Legislature if it did not seriously examine this million dollar + project and, at a minimum, make recommendations how other state and local agency data needs might be incorporated or how the DOQQ development priorities or schedules might be altered to support other GIS projects or geo-spatial data needs. Larry Z. also noted that the Str. Cmte. had determined that it was a priority to work with and support GIS development at the local government level. Larry Z. noted, that in this light, it made sense to review the GIS development status and plans of key local government agencies to see how the availability of DOQQs might significantly enhance those development efforts. Such outreach might provide a basis for the Str. Cmte. to make recommendations to NRC to consider altering any proposed priority DOQQ development list.

Terry K. suggested that the Str. Cmte. members take the time at this meeting to provide feedback on the proposed priority counties. It was noted that the Str. Cmte. still did not have a copy of the proposed priority counties and it was suggested that Larry Z. send the proposed list out with the minutes of the meeting. Terry K. went and made copies of the proposed list for those Str. Cmte. members present. Rod A. suggested that he felt further discussion of NRC's proposed DOQQ production was warranted and suggested that we might also want to get the word out to potentially interested public entities through GIS Update newsletter or other means.

REPORT ON INITIATIVE FOR COMMON WATER WELL IDS. Larry Z. reported that he had followed up on the Str. Cmte.'s endorsement of his efforts to help facilitate an exploration of the possibility of developing common water well IDs to facilitate data sharing. Larry Z. reported that he had worked with Susan France, DWR, to convene a meeting of interested state, federal and local agencies. Larry Z. noted that there was considerable interest in the exploring further the possibility.

Two working groups were formed as a result of that initial meeting. One was charged with exploring the feasibility of developing a water well "tagging" system. The other was charged with exploring the feasibility of developing a database which would provide a cross-reference for existing water well IDs. Larry Z. noted that he was "given" the task of chairing the second working group. That group determined that it was probably technically feasible to make judgements of one well in agency A's database being the same as another well in agency B's database, base on their common location. However, the general feeling was that the quality of the water well location information varied so greatly, that agencies would probably be very reluctant to make these assumptions and use this information as part of meeting their regulatory responsibilities. Therefore, given the overwhelming size of the task to make these correlations, it was decided that such an effort was probably not worth it, outside of an effort to actually physically tag the wells. Tags would remove that ambiguity. Larry Z. noted that the Tagging working group has scheduled it first meeting for October 6th.

FGDC AWARD AND OUR NEBRASKA NSDI CLEARINGHOUSE AND GEOSPATIAL METADATA INITIATIVE. Larry Z. reported that the FGDC Award contract had been formally sent and signed by Rod Wagner of the Library Commission. Larry Z. reported that he and Steve Jonas, NLC, had traveled to Charleston, SC, in August to a meeting, arranged by FGDC, of the current FGDC award recipients and last years' recipients. Larry noted that meeting provided some valuable contacts and suggestions, but also revealed that the Clearinghouse/Metadata project was on the cutting ("bleeding") edge of both the technology and tools to enable it to function and the evolution of the metadata standards themselves. Larry also reported that an initial meeting has been held of the most of the agencies either involved in the original pilot project or those who were signers of letters of understanding for the grant proposal.

Terry K. asked what the funds in the grant would be used for. Larry Z. responded that about 3/5 of the money was to support efforts by NLC to research and establish an Internet WAIS server node compatible with the evolving NSDI Clearinghouse network; to develop, if necessary, a metadata collection tool; to provide support for the collection and maintenance of metadata for populating the Clearinghouse node; and if there is interest, to provide technical assistance for other Nebraska agencies to establish distributed, searchable NSDI Clearinghouse nodes for their metadata. Larry noted that the other approximate 2/5 of the grant funds were to support GIS Str. Cmte. efforts to work with agencies to develop FGDC compliant metadata for their existing geospatial data and to provide education and outreach about the NSDI Clearinghouse and metadata standards. Terry K. indicated that he didn't feel what the NLC would be doing justified that expenditure of funds. Terry K. also questioned the wisdom of having the NLC involved with these funds, given the lawsuit that has been filed against NLC related to Nebraska Online. Rod A. pointed out that the FGDC award was to NLC, and that it was not reasonable to stop work on one project just because someone have filed a lawsuit on an agency on an unrelated project.

Mahendra B. noted that NRC had developed metadata for most of their data and that they had used a wordprocessor shell file as a basis for collecting the data. Larry Z. indicated that they were aware of the wordprocessor shell, but that there was a fair amount of interest in exploring the feasibility and merits of developing a database collection tool to facilitate metadata collection. Larry Z. also noted the interest in exploring methodologies of using the metadata collected through the ArcInfo "Document" AML for the Clearinghouse system.

Larry Z. asked the Str. Cmte. if it wanted to appoint a specific subcmte. to be responsible for oversight on this project, or if it wanted to leave it to an ad hoc working group and depend on him to bring key issues to the Str. Cmte. The sense of the Str. Cmte. was to go with the ad hoc working group approach, with Larry Z. acting as the liaison to the Str. Cmte.

Larry Z. noted that another key question was what level of comprehensiveness the project should pursue relative to the development of metadata. Larry Z. referred to handouts that illustrated the large number of potential metadata fields that are part of the FGDC metadata standards. Larry noted that some of these are mandatory, some are mandatory if applicable, and some are optional. Larry Z. also noted that while only a subset of this information is probably critical for the clearinghouse, most of it would probably be important if one was trying to determine if a dataset was appropriate for use in a particular project or analysis. Larry noted that the trade-off is between encouraging the development a sufficient level of metadata to be useful when one shares geospatial data, versus making the collection of metadata such a hassle that it doesn't get done. Larry noted that this is one of the early questions that the ad hoc working group has determined it will address. While there was only limited discussion at the meeting, the general sentiment seemed to be to pursue a subset of the metadata fields.

Larry Z. also raised the issue of the possibility of employing a student intern to work with this project. Larry Z. noted that a few states at the FGDC meeting had indicated that they had successfully employed such an approach. Larry Z. suggested that an intern could be trained in the metadata standards and could be used to either provide training in the standards, assist agency personnel as they develop the metadata, or actually develop the metadata for the agencies. It was suggested by some members of the Str. Cmte. that consideration of this possibility be deferred until the overall project approach and agency's needs had been more fully defined.

Blaine D. inquired as to whether a more detailed project plan was going to be developed. Larry Z. indicated that was something he hoped the working group could do over the next couple months.

UPDATE ON THE 1996 NEBRASKA GIS SYMPOSIUM. Larry Z. reported that Jim Merchant had requested this item be on the agenda, but that unfortunately Jim M. couldn't be at the meeting due to a death in his family. Larry Z. reported that one item he knew Jim M. wanted brought to the attention of the Str. Cmte. was an invitation and encouragement of Str. Cmte. members to present papers on their projects at the Symposium. Larry Z. noted that it was in large part the Str. Cmte.'s Symposium and he felt it was important for the agencies to take the opportunity to share with attendees how the technology was being used. It was suggested by one Str. Cmte. member that a paper by NRC on DOQQ production would be good. Larry noted that the original deadline for paper proposals was close at hand and that in the meeting handouts was a copy of the "Call for Papers". Jim B. also noted that posters were being solicited for the event as another way of demonstrating the applications of the technology.

Larry Z. also mentioned another area in which he knew Jim M. was wanting the Str. Cmte.'s input and suggestions. That was suggestions for "political" speakers for the Symposium, particularly for the luncheon period. Larry Z. reported that keynote speakers committed so far include: Bill Holland, Wisconsin Land Information Board; Nancy Tosta, FGDC; and Kathy Peckman, Miami County KS County Clerk. Someone was suggested that one good presenter might be the folks from the USDA "Field Office of the Future" which the NRC staff had visited.

NACO CONVENTION. Larry Z. reported that following the Str. Cmte.'s decision at its last meeting, he had arranged to have a booth again at the NACO Convention in Omaha on October 17-19th. Larry also reported that he had worked with NACO staff to arrange a breakout session on the County Commissioner's schedule which would feature Duane Stott, Scott Bluff County Surveyor and Les Duggart, Scotts Bluff County Assessor. Larry also reported that Duane S. has also agreed to have a demo available in the booth and that he is talking with Lancaster County folks to see if they are also willing to have a demo in the booth. Duane S. mentioned that one of the ideas that he was interested in presenting and discussing in the breakout session was the Wisconsin model. Duane asked if the

Str. Cmte. was comfortable with this idea being put forward as one the Str. Cmte. was supporting. Jim B. noted that the Str. Cmte. had encouraged the PLSS/Property Parcel Task Force to continue to explore that concept. The general feeling of the Str. Cmte. members present seemed to be supportive of that concept being presented as one that the Steering Committee was exploring.

October GIS Str. Cmte. Meeting Cancelled. Larry Z. noted that the NACO Conference and the GIS breakout session was scheduled for the same day as the next scheduled GIS Str. Cmte. meeting. The idea of holding the meeting in Omaha, rescheduling the meeting, or canceling October's meeting was discussed. It was decided to cancel the October Str. Cmte. meeting as several members would be involved with the NACO meeting and there was no apparent pressing issues that seemed to necessitate an October meeting.

REPORT ON NSGIC MEETING. Larry Z. gave a brief overview of the NSGIC meeting in Vermont. Larry reported that he felt valuable contacts were made that might be useful in the NSDI Clearinghouse project. Larry Z. also reported that significant events were occurring that might effect a change in state / federal relations relative to cooperation on geospatial data development. Larry Z. reported that Nancy Tosta, currently head of FGDC, was being moved to a different position and role in USGS. Larry Z. also brought to the Str. Cmte.'s attention an initiative by NSGIC to begin a process of formalizing the concept of a partnership between state, federal and local government related to NSDI. Larry Z. referred to a handout entitled: "A Partnership Agreement In Support of the National Spatial Data Infrastructure". Larry Z. noted that the NSGIC meeting had formally urged the NSGIC board to pursue these concepts.

GIS REVIEW. Jim B. and Larry Z. reported that the GIS Review had unanimously recommended for approval, via phone and email, two GIS-related purchase requests that had been forwarded to the Subcmte. since the last Str. Cmte. meeting. Larry Z. noted that CDP had been informed of these unanimous recommendations and had consequently probably acted to move the purchase requests along, assuming GIS Str. Cmte. support for the requests. Jim B. moved, John M. seconded, that the Str. Cmte. recommend approval of the DEQ purchase request #3039 for GPS-related hardware and software for approximately \$9,671 and the NRC purchase request #111-M for ArcInfo-related software for approximately \$1,751. The motion passed unanimously (*see vote #2 on the attached Voting Record sheet*).

Larry Z. reported that just that morning that he had received telephone notification from CDP that they had another purchase request from NRC for three multi-media laptop computers for approximately \$17,000. Larry Z. reported that the only reason CDP had called was because among the potential uses listed on the purchase request was the demonstration of GIS and GIS data. Larry Z. noted that no GIS-specific software or hardware was involved in the purchase request. Following discussion, the Str. Cmte. directed Larry Z. to inform CDP that it did not feel this particular purchase request was sufficiently GIS-related to warrant a review and/or recommendation by the Str. Cmte.

GPS COORDINATION. Jim B. reported that the bid specs for a GPS base station to be mounted on the roof of the State Surveyor's office were about ready to be mailed out. Jim B. also reported that he is currently discussing with Duane S. the possibility of arranging a joint venture for a GPS base station in the Scottsbluff area. For the central Nebraska area, he is working both with a private vendor to explore the feasibility of buying data already being collected, and with the State of Kansas to explore data trading possibilities from a GPS base station in the Salina area. Jim B. also reported that work is moving forward to develop a St. Surveyor's Internet home page, through which this information will be available.

STR. CMTE. MEMBERS UPDATES ON THEIR AGENCY GIS ACTIVITIES. NRC GPS of Airport Runways. Dayle W. reported that NRC has recently completed a joint effort with the Dept. of Aeronautics to GPS the runways of all the airports around the state, except for Millard. The GPS points were taken at the end of the runways. In response to a question, Dayle indicated that this work was done at no cost to the Dept. of Aeronautics.

Surplusing of GIS Workstations. Jim B. reported that the State Surveyor's office was going to be surplusing its two DEC GIS workstations. One had been at Game and Parks and the other at Civil Defense. Jim B. noted that Game and Parks had recently acquired a new workstation in a cooperative venture with USFW and that the machine at Civil Defense was not being used. Jim B. noted that there was also Arc licenses that have gone with these workstations and that the State Surveyor's office has informed ESRI that they will no longer be supporting those licenses. Jim indicated that it might be possible to transfer those licenses.

OTHER BUSINESS. Update on IDSD Staff Support for GIS Str. Cmte. Rod gave the Str. Cmte. a brief update of the status of staff support for the Str. Cmte.'s activities. Rod noted that Larry Z. had been hired as an Intergovernmental Information Coordinator for the Intergovernmental Data Services Division (IDSD) of DAS. Rod thanked Str. Cmte. members for their support during this long process. Blaine D. inquired as to what was to be the relationship between the Str. Cmte., Larry Z. and DAS-IDSD. Rod indicated that while this was still being refined, the current perspective was for Steve Schafer, IDSD-DAS, to provide administrative oversight and support and to look primarily to the Str. Cmte. for programmatic guidance.

Larry Z. referred Str. Cmte. members to a meeting handouts entitled: "Current Projects / Issues Related to GIS and/or Intergovernmental Information Sharing". Larry Z. reported that this sheet is from information he had prepared for an initial briefing/discussion between himself, Rod A. and Steve Schafer. Larry Z. indicated that from his perspective, this sheet outlines the major foci and initiatives of the Str. Cmte. at the present time. Larry also indicated that he would appreciate feedback from Str. Cmte. members if anyone felt that was not a reasonably accurate depiction. Larry Z. made two other observations related to that handout sheet. One was that for the time being, he felt his plate was pretty full, relative to Str. Cmte. activities (even though several of the projects were being carried forward by working groups outside of the formal structure of the Str. Cmte.) His other observation was that given unique nature of his new employment situation of receiving programmatic direction from the Str. Cmte., being administratively tied to IDSD-DAS, and being paid through a contract arrangement between IDSD-DAS and CDP-DAS, he felt the need to outline a workplan as a vehicle to more clearly define the mutual expectations of the various parties. He asked if the Str. Cmte. would be willing to cooperate with him in this endeavor by responding to planning drafts he might develop and circulate among the various parties. The Str. Cmte. indicated they were willing to work with Larry on such an effort.

As part of such a planning effort, Larry Z. asked to Str. Cmte. to be thinking about two initiatives which he felt would pay dividends relative to the Str. Cmte.'s desires to work with local governments. One initiative would be an effort to use ArcView to develop a demo illustrating potential GIS applications at the local government level. Larry Z. indicated that he felt such a demo would be very helpful if he or others were to start attending regional NACO gatherings, such as was suggested by Larry Dix. Larry Z. also suggested that it might be possible to do this in conjunction with Larry Dix of NACO. The other initiative is an effort to develop an overview of the current use of land record information at the local government level. Larry Z. noted that while there seems to be a general awareness of the types of uses, when one gets down to trying to make decisions or policy recommendations based on that use -- there is very little specific information. Larry Z. suggested a

possible effort to visit 3-4 representative counties, visiting with the Assessor, Treasurer, Clerk, Engineer, etc. and note land record information use, collection, maintenance, sharing, etc. Jim B.'s initial response was that while he could see that these efforts would probably be very useful, he was concerned about the availability of Larry's time. Jim B. suggested that efforts in this area wait a little while until the PLSS / Property Parcel Task Force has done a little more work.

Wisconsin Uplink. Larry Z. noted that also in the meeting handouts was information on the next Wisconsin Satellite Uplink program which was to be focused on "Land Information Systems for Local Government: Issues and Interfaces". Larry Z. indicated that there was no rush with this as the program was not scheduled until April 11, 1996. However, Larry Z. suggested that at the next meeting we might ask Duane S. to share his perspective on the merits of this type of program, as he hosted a satellite downlink in Scottsbluff for the last one.

Public Notice. Larry Z. noted that as he made the transition to IDSD-DAS, he was made aware of the fact that the World Herald charges considerably more for public notice of meeting advertisements than does the Lincoln Journal-Star (\$3.36 per line compared to \$.68 per line). Larry Z. noted that he has used the World Herald in the past because that was what was being used in the Policy Research Office for GIS meetings when he started. Larry Z. inquired of the Str. Cmte. if anyone had any concerns about switching to the Lincoln Journal-Star for such public meeting notices. There was general support expressed for the switch to the Lincoln Journal-Star.

TO DO LIST:

NRC - will prepare a written report on their Lancaster County DOQQ pilot project, outlining the methodology, products, costs, results of the USGS quality assessment and its implications for future DOQQ development in Nebraska.

Duane Stott, Les Duggart and Larry Z - will host a GIS breakout session and a GIS Str. Cmte. booth at the NACO Conference on October 17-19th

Duane S. - will brief the Str. Cmte. on Scottsbluff's experience and perspective on hosting a Wisconsin satellite to provide the Str. Cmte. with background to consider relative to the merits of hosting such a downlink in April of 1996.

Larry Z. - will work with an ad hoc working group to further define the NSDI Clearinghouse and Metadata Development project.

GIS Steering Committee
VOTING RECORD

Date 9/27/95

	Attendance Minutes		GIS Review									
	A	#1	#2	#2								
DAS - Steve Henderson	A											
DEQ - Dennis Burling Tom Lamberson	A											
CSD - Perry Wigley Les Howard, Jim Merchant	A											
NRC - <u>Dayle Williamson</u> Terry Kubicek	P	+	+									
PRO - Rod Armstrong	P	+	+									
DOR - Jon Ogden	A											
Surveyor - Jim Brown	P	+	+									
LRD - Laura Valenziano	A											
John Miyoshi	P	+	+									
Blaine Dinwiddie	P	+	+									
Cliff Welsh	P	+	+									
Larry Worrell <u>Jim Langtry</u>	P	+	+									
Lash Chaffin	A											
Duane Stott	P	+	+									
Dennis Wilson	A											
TOTALS	P-8	8(+)	8(+)									

P = present
A = absent

"+" = voting for
"-" = voting against
"NV" = not voting

Vzgen/votrecrd